

Recovery Plan Action Status

Plan Name: Draft Recovery Plan for the Jarbidge River Distinct Population Segment of Bull Trout

Plan Status: Draft

Plan Date: 01-Jul-04

Lead Agency: USFWS

Lead Office: Nevada Fish And Wildlife Office

(775)
861-6300)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Bull Trout (Salvelinus confluentus)	2	1.1.1	Assess and reduce sources of thermal loading in streams	Unknown			Elko County, Nevada, Owyhee County, Idaho, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Some actions linked to 1.1.2 and 1.3.1
Bull Trout (Salvelinus confluentus)	2	1.1.2	Identify sediment sources and reduce sediment delivery to streams	Partially Complete	FY 2000 - FY 2004		Elko County, Nevada, Owyhee County, Idaho, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Other, Management: Planning	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	USFS has partially implemented a 2003 Road Maintenance Plan. Some sources and actions already identified; some actions linked to 1.1.1 and 1.3.1
Bull Trout (Salvelinus confluentus)	3	1.1.3	Assess and clean up non-operational mine sites	Unknown			Elko County, Nevada, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Assessment first year; clean up at one mine next year; other actions based on assessment
Bull Trout (Salvelinus confluentus)	3	1.1.4	Assess and reduce nutrient delivery to streams	Unknown			Nevada Division of Environmental Protection, Idaho Department of Environmental Quality, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Take action based on assessment
Bull Trout (Salvelinus confluentus)	3	1.1.5	Determine effects of water withdrawals on stream temperatures and flows	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Take action based on assessment

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Bull Trout (Salvelinus confluentus)	2	1.2.1	Identify and evaluate physical barriers to bull trout passage	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Take action based on assessment
Bull Trout (Salvelinus confluentus)	2	1.3.1	Restore and maintain riparian habitat	Unknown			Duck Valley Paiute/Shoshone Tribes, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Some actions linked to 1.1.1 and 1.1.2
Bull Trout (Salvelinus confluentus)	2	1.3.2	Assess and restore stream channels	Unknown			Elko County, Nevada, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Take action based on assessment
Bull Trout (Salvelinus confluentus)	2	1.3.3	Assess and minimize livestock grazing impacts	Unknown			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Take action based on assessment
Bull Trout (Salvelinus confluentus)	2	1.3.4	Minimize stream channel degradation	Unknown			Elko County, Nevada, Owyhee County, Idaho, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service, U.S. Army Corps of Engineers	Work type not yet selected	Labor type not yet selected	Major cost is for nine bridge replacements
Bull Trout (Salvelinus confluentus)	2	1.3.5	Reduce instream and riparian wood harvest	Unknown			U.S. Bureau of Land Management, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	3	1.3.6	Minimize recreation impacts	Unknown			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	1	2.1.1	Implement brook trout removal	Ongoing Current	FY 2000 - FY 2004		Nevada Department of Wildlife, U.S. Fish and Wildlife Service, U.S. Forest Service	Management: Predator and Competitor Control	Internal Technical Assistance	Physical removal conducted annually since 2002 in the Bear Creek brook trout population.

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Bull Trout (Salvelinus confluentus)	2	3.1.1	Facilitate development and implementation of coordinated fisheries management plans for bull trout in the Jarbidge River core area by the States of Idaho and Nevada	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Action linked to 2.1.1, 3.2.1, 3.2.2, 3.3.1, 4.2.1, and 5.1.1
Bull Trout (Salvelinus confluentus)	3	3.2.1	Implement angler surveys	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	3	3.2.2	Promote public awareness of angling regulations and low-impact angling techniques to ensure compliance with regulations	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	2	3.2.3	Coordinate and evaluate scientific research	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	2	3.3.1	Evaluate the impact of current angling regulations on bull trout and recommend any appropriate modifications to regulations	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Action linked to 3.1.1
Bull Trout (Salvelinus confluentus)	2	4.1.1	Conduct genetic inventory of resident and migratory bull trout	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Incorporate existing data

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Bull Trout (Salvelinus confluentus)	2	4.2.1	Manage local populations (numbers and life forms) to maintain long-term viability	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Incorporate data from 4.1.1 into ongoing management
Bull Trout (Salvelinus confluentus)	1	5.1.1	Develop and implement a standardized, statistically sound bull trout population monitoring program	Ongoing Current	FY 2007		Idaho Department of Fish and Game, Nevada Department of Wildlife, Duck Valley Paiute/Shoshone Tribes, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Research: Demographic Studies, Research: Population Assessment, Research: Population Surveys	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Development of standardized monitoring program began in earnest in 2007 with implementation of a mark/recapture effort on Jack Creek and extensive population surveys. Rangewide monitoring program development is ongoing.
Bull Trout (Salvelinus confluentus)	3	5.1.2	Assess habitat restoration techniques	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, Duck Valley Paiute/Shoshone Tribes, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	1	5.2.1	Determine seasonal movement patterns and habitat use of migratory bull trout	Ongoing Current	FY 2006		Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service	Research: Demographic Studies, Research: Habitat Requirements, Research: Migration	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Monitored seasonal movement patterns of over 1500 tagged fish using tag detection stations located in the East and West Forks of the Jarbidge River annually beginning in June 2006. Other actions discussed by the RT include operation of weirs every 3 to 5 years (\$3K/year).

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Bull Trout (Salvelinus confluentus)	2	5.2.2	Locate and assess bull trout spawning habitats	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	2	5.2.3	Assess suitability of degraded and unoccupied habitats for expanding distribution and abundance of bull trout	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	2	5.2.4	Determine range of temperature tolerances for bull trout life stages and life history forms	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	2	5.3.1	Increase bull trout surveys	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Action linked to 5.1.1
Bull Trout (Salvelinus confluentus)	3	5.4.1	Determine basic life history characteristics	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	

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Bull Trout (Salvelinus confluentus)	3	6.1.1	Support collaborative efforts by local watershed groups to implement bull trout recovery actions	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, Duck Valley Paiute/Shoshone Tribes, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	3	6.1.2	Provide long-term habitat protection	Unknown			Nevada Department of Wildlife, Duck Valley Paiute/Shoshone Tribes, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	3	6.1.3	Inform the public about bull trout habitat needs and recovery	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Bull Trout (Salvelinus confluentus)	3	6.2.1	Enforce water quality standards and regulations for streams	Unknown			Nevada Division of Environmental Protection, Idaho Department of Environmental Quality, U.S. Bureau of Land Management, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Ongoing
Bull Trout (Salvelinus confluentus)	3	7.1	Assess effectiveness of bull trout recovery efforts in the Jarbidge River core area	Unknown			Idaho Department of Fish and Game, Nevada Department of Wildlife, Duck Valley Paiute/Shoshone Tribes, U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	Coordinate with 5.1.1